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# PATENT SPECIFICATION



Application Date: March 26, 1943. No. 4956/43.

**564447**

(Patent of Addition to No. 558,239: dated Aug. 7, 1942).

Complete Specification Left: Dec. 10, 1943.

Complete Specification Accepted: Sept. 28, 1944.

## PROVISIONAL SPECIFICATION

### Improvements in and relating to the Moulding of Concrete Structures

I, LESLIE SHINGLETON, a British subject, of Killarney, The Holt, Binsted, Hampshire, do hereby declare the nature of this invention to be as follows:—

5 This invention relates to concrete structures and it comprises further improvements in or modifications of the invention forming the subject of my patent No. 558,239.

10 According to the present invention sheets of cement with fibrous material therein such for example as wood wool, or asbestos cement sheets, with or without internal reinforcement, are used to form 30 the permanent shuttering for walls, floors, roofs and the like. These materials are capable of being cut and drilled after production so that they may be cut to any required size or shape, and will have holes

15 formed near their corners by drilling or otherwise to enable them to be supported by plates such as 29 and 42 described and illustrated in the complete specification of the said patent application.

20 25 It is found that the concrete when

introduced between sheets or slabs of the materials mentioned above while they are supported from tubular scaffolding effectively unites with the exposed surfaces of the slabs so that the slabs act as a permanent shuttering for the finished structure.

The slabs formed of fibre and cement may be reinforced if required with wire mesh or other inserted reinforcement, and 35 the size of the individual slabs may be reduced, or the area covered by the corner plates may be increased to assist such slabs in supporting the weight of the concrete when introduced.

40 The methods of construction are therefore the same as those described in my former patent application referred to above.

Dated this 26th day of March, 1943.

For the Applicant:  
GILL, JENNINGS & EVERY,  
Chartered Patent Agents,  
51/52, Chancery Lane, London, W.C.2.

## COMPLETE SPECIFICATION

### Improvements in and relating to the Moulding of Concrete Structures

45 I, LESLIE SHINGLETON, a British subject, of Killarney, The Holt, Binsted, Hampshire, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to concrete structures and it comprises further improvements in or modifications of the 50 invention forming the subject of my patent No. 558,239, according to which preformed slabs of concrete with perforations near the corners are supported from tubular scaffolding by plates with projections engaging in the perforations, the plates in turn being adjustably mounted on the scaffolding.

According to the present invention sheets of cement with fibrous material therein such for example as wood wool, 65 or asbestos cement sheets, with or without internal reinforcement, are used to form the permanent shuttering for walls, floors, roofs and the like. These materials are capable of being cut and drilled after 70 production so that they may be cut to any required size or shape, and will have holes formed near their corners by drilling or otherwise to enable them to be connected by ties and/or supported by plates 75 such as 29 and 42 described and illustrated in the complete specification of the said patent application.

It is found that the concrete when introduced between sheets or slabs of the 80

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materials mentioned above while they are supported from tubular scaffolding effectively unites with the exposed surfaces of the slabs so that the slabs act as a permanent shuttering for the finished structure.

The slabs formed of fibre and cement may be reinforced if required with wire mesh or other inserted reinforcement, 10 and the size of the individual slabs may be reduced, or the area covered by the corner plates may be increased to assist such slabs in supporting the weight of the concrete when introduced.

15 The methods of construction therefore are the same as those described in my former patent Specification No. 558,239 referred to above.

Having now particularly described and 20 ascertained the nature of my said inven-

tion and in what manner the same is to be performed, I declare that what I claim is:—

The improvement in or modification of the invention claimed in patent Specification No. 558,239 consisting in the employment for the permanent shuttering of sheets comprising cement with fibrous material therein, such for example as wood wool, or asbestos cement sheets, 25 with or without internal reinforcement, and provided with holes near the corners to receive the projections upon supporting plates adjustably secured to the tubular scaffolding.

Dated this 10th day of December, 1943.

For the Applicant:

GILL, JENNINGS & EVERY.

Chartered Patent Agents,  
51/52, Chancery Lane, London, W.C.2.

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